

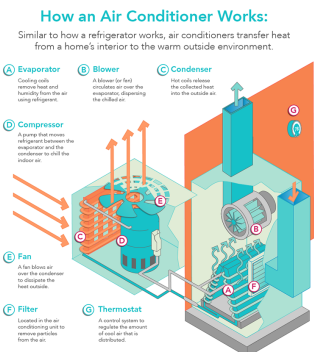
6%
The percentage of the average household's energy use that goes to space cooling.

2/3 of all U.S. homes have air conditioners.

\$29B
The amount it costs homeowners every year to power their air conditioners.

#DidYouKnow:
You can reduce air conditioning energy use by 20-50 percent by switching to high-efficiency air conditioners and taking other actions to lower your home cooling costs.

ENERGY SAVING TIP:
The quickest way to save energy on home cooling is to regularly clean and replace your cooling unit's filters.



What is a split system?

Many types of air conditioning systems are called split systems because they are made up of an outdoor unit, which contains the condenser and compressor, and an indoor unit, which is often connected to a furnace or heat pump.

SPLIT SYSTEM
Outdoor unit and indoor unit.

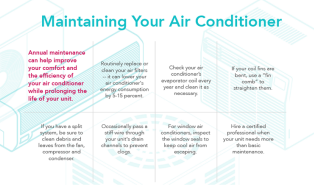
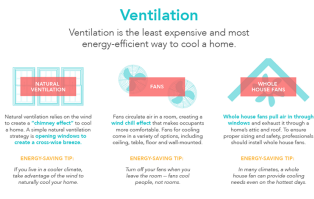
PACKAGED SYSTEM
Systems that have the evaporator, condenser and compressor in one unit are called packaged systems.

Types of Air Conditioners

CENTRAL	COST	CONDENSING TOILET AC	PRO	CON	TIP
Used in a central air conditioning system, this type of system is the most common. It's usually installed in a basement or crawlspace.	\$5K - \$10K	A central air system with a condenser unit outside the house. It's usually installed in a basement or crawlspace.	They can be used to cool multiple rooms at once.	Can be expensive to install and maintain.	Make sure your central air conditioning system is properly maintained.
ROOM	COST	CONDENSING TOILET AC	PRO	CON	TIP
These are the most common type of air conditioner. They are usually installed in a room and are connected to a furnace or heat pump.	\$1K - \$2K	These are the most common type of air conditioner. They are usually installed in a room and are connected to a furnace or heat pump.	They are usually installed in a room and are connected to a furnace or heat pump.	They are usually installed in a room and are connected to a furnace or heat pump.	Make sure your room air conditioner is properly maintained.
DUCTLESS	COST	CONDENSING TOILET AC	PRO	CON	TIP
These are the most common type of air conditioner. They are usually installed in a room and are connected to a furnace or heat pump.	\$1K - \$2K	These are the most common type of air conditioner. They are usually installed in a room and are connected to a furnace or heat pump.	They are usually installed in a room and are connected to a furnace or heat pump.	They are usually installed in a room and are connected to a furnace or heat pump.	Make sure your ductless air conditioner is properly maintained.
EVAPORATIVE COOLER	COST	CONDENSING TOILET AC	PRO	CON	TIP
These are the most common type of air conditioner. They are usually installed in a room and are connected to a furnace or heat pump.	\$1K - \$2K	These are the most common type of air conditioner. They are usually installed in a room and are connected to a furnace or heat pump.	They are usually installed in a room and are connected to a furnace or heat pump.	They are usually installed in a room and are connected to a furnace or heat pump.	Make sure your evaporative cooler is properly maintained.

#DidYouKnow:
When there is excess humidity in the air, our body's ability to cool itself through perspiration is inhibited.

One way an air conditioner makes us feel cooler is by reducing the amount of moisture in the air.



Common Air Conditioner Problems

Refrigerant	Sensor	Thermostat	Drainage
Your refrigerant could be low or leaking. Call a technician to check the level and recharge the system.	If you have a sensor unit, the sensor could be broken or out of position. Carefully inspect the sensor and replace it if necessary.	Check your thermostat to make sure it's set properly and is reading the correct temperature.	Check your drain line to make sure it's not clogged.
Dirty Filter	Electric Control Failure	Thermostat	Outdoor Problems
A clogged filter restricts airflow through the unit, decreasing its efficiency and making it difficult to efficiently cool the air.	Your compressor and fan controls could be not working. Have a professional check your electrical connections.	Make sure your thermostat is working properly. If it's not, it might need to be replaced.	Your doors could be leaking air or the ducts could be clogged. Check for leaks and seal them.

Tips for Lowering Your Cooling Costs

- Install and use a programmable thermostat. It can help you save up to 10 percent on heating and cooling costs a year.
- Use a fan. Ceiling fans will allow you to raise the thermostat setting without impacting your comfort.
- Seal your attic and walls, and ceilings. This will help you save up to 10 percent on heating and cooling costs a year.
- Buy an ENERGY STAR-rated AC unit. It can save you up to 10 percent more on your energy bills.
- Use the bathroom fan while taking a shower. It can help you save up to 10 percent on heating and cooling costs a year.

SOURCES: Energy Star (energystar.gov/energysaver), the Energy Department's Building Technologies Office (energystar.gov/building-technologies-office), the Energy Department's Energy Efficiency Office (energystar.gov/energy-efficiency-office), the Energy Department's Energy Efficiency Office (energystar.gov/energy-efficiency-office).